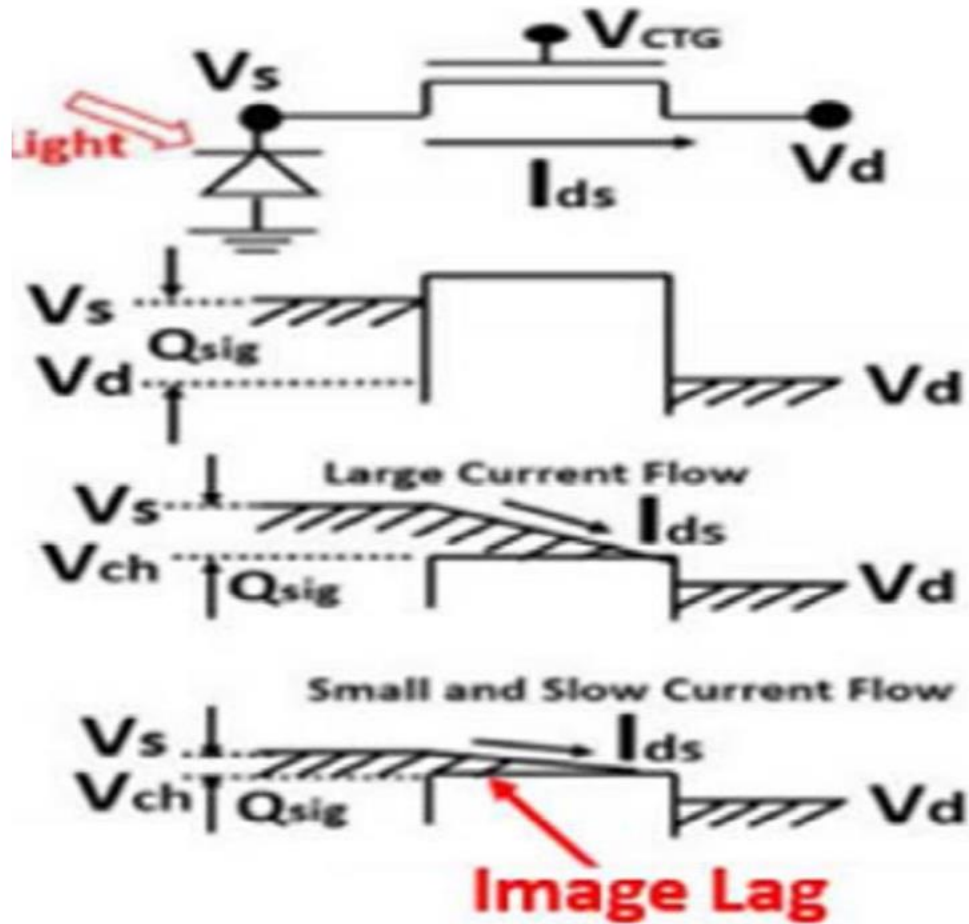


# True History of Photodiode

## (1) Single Junction Type Dynamic Photodiode before 1970



$$I_{ds}(t) = I_0 (V_s - V_{ch})^2$$
$$Q_{sig}(t) = Q_0 \exp(-t / \tau)$$



(1) Single 接合型は残像が大問題だった。

*Serious Image Lag of Floating N+P Single Junction Photodiode.*